

Lieutenant Governor

State of Utah

DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER Executive Director

Division of Oil, Gas and Mining

JOHN R. BAZA

Division Director

August 31, 2009

Wess Sorensen, Mine Manager Canyon Fuel Company, LLC

HC 35 Box 380 Helper, Utah 84526

2008 Annual Report Review, Skyline Mine, C/007/0005, Task ID # 3283

Outgoing File

Dear Mr. Sorensen:

The Division staff has completed the 2008 Annual Report Review. Enclosed is a copy of the review for Skyline Mine, C/007/0005 completed on August 27, 2009.

Thank you for your diligence in completing the Annual Report. If you have any questions, please call me at (801) 538-5325.

Sincerely,

Daron Haddock Permit Supervisor

sqs Enclosure

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#3283

This Annual Report shows information the Division has for your mine. Please review the information to see if it is current. If the information needs to be updated please do so in this document. At the end of each section the operator is asked to verify if the information is correct. Please answer these questions and make all comments on this document. Submit the completed document and any additional information identified in the Appendicies to the Division by April 30, 2009. During a complete inspection an inspector will check and verify the information. To enter text, click in the cell and type your response. You can use the tab key to move from one field to the next. To enter an X in a box, click next to the box, right click, and select properties, then the checked circle, then hit enter, or hit the unchecked circle if the X is to be removed.

GENERAL INFORMATION

Permitte Name	Canyon Fuel Company, LLC		
Mine Name	Skyline Mine		
Operator Name			
(If other then permittee)			
Permit Expiration Date	April 30, 2012		
Permit Number	C/007/0005		
Authorized Representative Title	Wess Sorensen, Mine Manager		
Phone Number	(435) 448-2619		
Fax Number	(435) 448-2636		
E-mail Address	wsorensen@archcoal.com		
Mailing Address	Skyline Mine HRC 35 Box 380 Helper, UT 84526		
Designated Representative	Gregg Galecki		
Resident Agent	Corporation Trust Company		
Resident Agent Mailing Address	Corporation Trust Company 1209 Orange Street Wilmington, DE		
Number of Binders Submitted	2		

IDENTIFICATION OF OTHER PERMITS

Operator, please update any incorrect information.

Identify other permits that are required in conjunction with mining and reclamation activities.

Permit Type	ID Number	Description	Expiration Date
MSHA Mine ID(s)	42-01566	Skyline Mine #3	N/A
	1211-UT-09-42-01566- 01	Skyline Mine Waste Rock Disposal	N/A
MSHA Impoundment(s)	None		
NPDES/UPDES Permit(s)	UT 0023540-01, 02, 03	UPDES Permit for Skyline Mine, Rail Loadout, Waste Rock Disposal Site	11/30/09
PSD Permit(s) (Air)	10092	Approval Order	N/A
Other			
Storm Water Permit	UTR000578	Storm Water Discharge Permit	12/31/11

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Operator, please update any incorrect information.				
CERTIFIED REPORTS				
	ed to the	e Divisi	on. Specify whe	ed by the rules and under the approved plan that must be ther the information is included as Appendix A to this
Certified Reports:	Requi	ired No	Included or Included	DOGM file location Vol, Chapter, Page
Excess Spoil Piles		\boxtimes		,
Refuse Piles				Submitted electronically via email on 2/4/09
Impoundments				Submitted electronically via email on 2/4/09 & 5/6/09
Other				
Operator Comments:				
Inspector: Has the operator complied with this section? Yes No Inspector Comments:				
COMMITMENTS AND CONDITIONS				
The Permittee is responsible for ensuring annual technical commitments in the MRP and conditions accepted with the permit are completed throughout the year. The Division has identified these commitments below and has provided space for you to report what you have done during the past year for each commitment. If the particular section is blank, no commitment has been identified and no response is required for this report. If additional written response is required, it should be filed under Appendix B to this report.				
Admin R645-301-100				
Soils R645-301-200				

2008 ANNUAL REPORT Page 3	3
Title: WASTE ROCK SAMPLING Objective: To document chemical characteristics and support reclamation plan using less than four feet of cover protect surface and groundwater. Frequency: During periods of deposition at the waste rock site. Status: Quarterly sampling, 1 sample per 2000 tons hauled to disposal site. Reports: Annual reporting. Citation: Vol. 3, Section 4.4, pg. 4-30, 2nd para. And 1988 Soils Guidelines Table 6.	and to
Operator Comments: Lab Analysis is included in Appendix B	
Inspector: Has the operator complied with this section? Yes No Inspector Comments: Lab information is in Appendix A. The information needs to be reviewed by the Dissoil Scientist to assure that it meets the Division requirements. On August 27, 2009, Priscilla Burton, CPSSc, reviewed the information in the annual report and that referenced annual report. The refuse pile certification was sent by email on 2/4/2009 and is recorded as 2009 Incoming docu 0008. This document states that 56,138 Tons of waste rock was hauled to the site during the 4 th quarter 2008. Approximately 67,036 tons were removed from the site in the fourth quarter. The net remoal was 10,898 tons of The report further states that 3,768 tons of waste rock has been screened and separated for re-burial at the site. The also states that since June 2008, 127,617 tons of waste was removed from the site. Four waste rock samples were during 2008, 2 in March and 2 in June. There were no extremes of pH or SAR. The values for Se and B were low waste has a texture of loamy sand and is not projected to be acid-forming based upon total sulfur values.	by the ument material. The report to taken
Title: SUBSOIL SAMPLING AT WASTE ROCK SITE. Objective: To provide chemical characteristics of purchased subsoil. Frequency: Sample purchased subsoil for parameters in Table 1 of the Utah 1988 Guidelines. Status: Ongoing with contemporaneous reclamation at the waste rock site. Reports: None specified. Suggest verbal communication with Division and lab analysis to be included in bond r application. Citation: Vol. 3, Section 4.6.4.1, pg. 4-38a, 3rd para. And pg. 4-38b. Operator Comments: No subsoil or substitute topsoil was purchased in 2008	release
Inspector: Has the operator complied with this section? Yes No Inspector Comments:	

2008 ANNUAL REPORT	Page 4
Title: SAMPLING PRIOR TO SLURRY PLACEMENT IN ABANDON UNDERGROUND WOR Objective: Protection of groundwater. Frequency: Every 450 ft. of advance. Status: Ongoing. Reports: Notification if parameters are out of compliance with Guidelines for Topsoil and Overburden. Citation: Volume 2, Incorporation of 97K-1and Section 1.2 (at the end of Section 3.2) and Section 3.2.8 Operator Comments: No Slurry was pumped underground in 2008.	
Inspector: Has the operator complied with this section? Yes No I Inspector Comments:	
Title: SAMPLING OF WASTE ROCK IN TEMPORARY STOCKPILES. Objective: Protection of surface and groundwater. Frequency: If remains in temporary location longer than three months. Status: 1 sample/ 2000 tons of temporary stockpiled material. Reports: Annual reporting not specified, but assumed to be the same as disposal site sampling (previous same page). Citation: Vol. 3, Section 4.4, pg. 4-30, 3rd para. And 1988 Soils Guidelines Table 6. Operator Comments: No temporary Waste Rock was stockpiled for lorger than three (3) months in 200 Inspector: Has the operator complied with this section? Yes No Inspector Comments:	
Biology R645-301-300	

2008 ANNUAL REPORT	Page 5
Title: CULTURAL RESOURCES Objective: If during the course of mining operations, previously unidentified cultural resources at Permittee shall ensure that the site(s) is not disturbed and shall notify the Division of Oil, Gas, an after coordination with OSM, shall inform the Permittee of necessary actions required. The Permitigation measures required by the Division within the time frame specified by the Division. Frequency: As needed. Status: Ongoing. Reports: Annual. Citation: Permit Condition Sec. 16.	d Mining. The Division,
Operator Comments : No previously unidentified cultural resources were discovered in 2008 th disturbed.	at would have been
Inspector: Has the operator complied with this section? Yes No Inspector Comments:	
Title: MACROINVERTEBRATE SURVEYS Objective: To determine if mining and mining related activities are impacting the perennial streat Eccles, Burnout and James Canyons. Frequency: Fall and Spring every three years beginning in 2007. Status: Ongoing. Reports: Annual. Citation: Appendix A-3, Volume 2, The Macro benthos of Burnout and James Canyon Creek. Boardinghouse & Eccles Creek, Fall 2001. Macroinvertebrates of Eccles Creek, October 2004. V pages 2-71, 71A, B, C, Section 2.8, table 2.8-1a.	Benthos of
Operator Comments: Field work was conducted I both 2007 and 2008; reports are being preparational conductions and 2008; reports are being preparations.	red.
Inspector: Has the operator complied with this section? Yes ☑ No ☐ Inspector Comments: In Process.	

2008 ANNUAL REPORT	
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Title: FISH SURVEYS

Objective: To determine if mining and mining related activities are impacting the perennial streams located in Eccles,

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Frequency: In the Fall Every three years beginning in 2007.

Status: Ongoing. Reports: Annual.

Citation: Volume 1A, Section 2.8, page 2-71.

Operator Comments: Field work was conducted in 2007; reports are located in Appendix B.

Inspector:

Has the operator complied with this section? Yes No

Inspector Comments: The report is in Appendix B of the 2008 Annual Report. The report needs to be reviewed by the assigned Division Biologist to make sure it meets the Divisions requirements.

The reports were reviewed by Division biologist Ingrid Wieser in June 2009. The Woods Creek survey commitment was completed in 2002.

Eccles Creek:

Estimates of cutthroat trout population densities in Eccles Creek were taken by Dennis Shiozawa of Mt. Nebo Scientific in September to October of 2007. The report is intended to record the fish populations found in four reaches of Eccles Creek continually to document changes possibly resulting from water discharges beginning in 2001 from Skyline Mine. Baseline data was recorded in October 2004. Overall, the 2007 estimated density per linear meter of stream increased. Rainbow, cutthroat and hybrids were identified in 2007, which differs from baseline data where only cutthroat were identified. Little to no spawning habitat exists in three of the sample sites and spawning did not occur recently at the forth site. However, the report indicated that trout populations are increasing and can survive in the stream.

Burnout and James Canyon Creeks

Estimates of cutthroat trout population densities were taken by Dennis Shiozawa of Mt. Nebo Scientific in October of 2007 for James Canyon and Burnout Creeks. Population studies had been previously conducted in 2000, 2001 and 2004. James Canyon Creek: A significant drop in fish populations occurred in this Canyon between 2000 and 2001 due to low water levels in Electric Lake. In 2007, the fish population was up 50% from 2001 but still far below 2000 levels. Size classes of fish recorded suggested that spawning success occurred in 2006 and 2007 and that the stream is recovering from drought impacts.

Burnout Creek: Fish populations declined slightly between 2000 and 2004. 2007 data showed that the majority of the fish in the creek were tiger trout differing from 2000 in which all were cutthroat. It was assumed that the tiger trout were present as a result of DWR stocking. The report concluded that cutthroat trout decline is due to low water levels, whirling disease, or the addition of tiger trout to the stream.

2008 ANNUAL REPORT	Page 7
Title: RAPTOR SURVEY Objective: To monitor the status of a nest located within a ¼ mile of the waste rock expansion area. Frequency: Once in 2008 Status: One survey Reports: In 2008 annual report Citation: Vol. 1A, Setion 2.10 page 2-111.	
Inspector: Has the Operator complied with this section? Yes No Inspector Comments:	
The operator sent an email to amend the annual report to include the raptor survey. The raptor nest Waste rock expansion area was visually monitored by the company on March 18, April 25, May 16, June 25. No activity occurred in the nest on these dates. No additional monitoring of the nest is school to the sent of the nest of the nest of the nest is school to the nest of the n	May 30, June 17 and
Title: Vegetation survey program for the Winter Quarters and Woods Stream channels. Objective: Baseline and monitoring surveys for vegetation along stream channels. Frequency: Baseline survey of entire length of channels in 2005, monitoring surveys two years prio undermining of specific lengths of the channels, and follow-up surveys two years after undermining. Status: Ongoing Reports: Division's Annual Report Citation: Vol. A-2 2 nd volume; Vol. A-3 2 nd volume.	
Inspector: Has the Operator complied with this section? Yes No Inspector Comments: Vegetation report was prepared by Patrick Collins of Mt. Nebo Scientific in August of 2008. The remonitoring of riparian plant communities in selected reaches of Winter Quarters Canyon. Baseline of 2005 and will be used to compare to current monitoring to analyze long term trends, natural variability information including possible impacts to the riparian plant communities caused by mining below the dominant plant communities in the study areas were riparian, spruce-fir, aspen/grass, sagebrush/grass herblands. Qualitative and quantitative data were recorded. Twenty five sample stations were monitoring on name drainage and box canyon.	lata was collected in ty and benchmark e riparian areas. The s and mountain

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Title: TOPSOIL SAMPLING. Objective: To determine fertilizer application rate. Frequency: At final reclamation sample topsoil for N, P, K, Fe, Mg, Mn, Zn, Ca and pH. Status: Analysis of redistributed topsoil. Reports: None specified. Suggest verbal communication with Division and lab analysis to be included application. Citation: Vol. 3, Section 4.5, pg. 4-32, 2nd para.	uded in bond
Operator Comments: No Topsoil was redistributed in 2008; no analysis of Topsoil was conducted.	
Inspector: Has the operator complied with this section? Yes No Inspector Comments:	
Landuse, Cultural Resources, Air Quality R645-301- 400	
Engineering R645-301-500	
Geology R645-301-600	
Hydrology R645-301-700	
Title: Age-monitoring of Water. Objective: Understand possible sources of groundwater inflows Frequency: When inflows of 800 gpm are encountered. Status: No significant inflows in the North Lease. Reports: As needed. Citation: Volume 1, Page 2-35b, Paragraph 2. Operator Comments: Mine #2 sites have not been accessible since 2004. No sustained inflows >800gpm encountered in the North Lease are of Mine #3. No additional age-dating water analysis has been collected.	have been
Inspector: Has the operator complied with this section? Yes No Inspector Comments:	

2008 ANNUAL REPORT	Page 9
Title: Measurement of Sediment Yield. Objective: Understand how much excess sediment the mine is contributing to Eccles Creek. Frequency: Annually. Status: Ongoing. Reports: Annually. Citation: Volume 1a, Page 2-43a, Paragraph 2.	
Operator Comments : Study was discontinued per page 2-45 and 2-46 of M&RP. Average discharges below 5,000 gpm.	s are currently
Inspector: Has the operator complied with this section? Yes ☑ No ☐ Inspector Comments:	
Title: North Lease Perennial Stream Flow Measurement. Objective: Understand the impact of longwall mining on perennial portions of streams in Winter Quart Canyons. Frequency: Monthly, June through October and when accessible, 1 year prior to, during and 1 year after Status: Ongoing. Reports: Quarterly to database - we should ask fo a better map, or list of undermined dates for these sit otherwise it is impossible to tell if they are within the timeframes. Citation: Volume 1a, Page 2-44a, Paragraph 5. Operator Comments: Sites NL-13 and NL-14 will be dropped this year. An application to modify an site spacing will be submitted in 2 nd quarter 2009. Inspector: Has the operator complied with this section? Yes No Inspector Comments:	er undermining. tes yearly,
Title: Monthly Reporting of Pumped Flows to Electric Lake and Eccles Creek. Objective: Be aware at all times, of the volume of water being pumped out of the Skyline Mine, and to Frequency: Cumulative monthly flows.	which drainage.
Status: Ongoing. Reports: Monthly - first week. Citation: Permit Condition 2.	
Operator Comments: The information has been submitted as required.	
Inspector: Has the operator complied with this section? Yes No Inspector Comments:	

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Bonding & Insurance R645-301-800				
Other Commitments				
	ription of		d during 2008, an amendment must be submitted that includes a material vas abandoned, whether there were any hazardous or toxic material	
REPORTING OF OTHE	R TECH	INICA	AL DATA	
	ne Divisio	on. Spe	nation as required under the approved plan, which must be becify whether the information is included as Appendix B to n.	this
Operator Comments:				
Inspector: Has the operator complied with Inspector Comments: No in	ıformatio	n provi	rided.	
LEGAL, FINANCIAL, C	OMPLL	ANCE	E AND RELATED INFORMATION	
Change in administration or corporate structure can often bring about necessary changes to information found in the mining and reclamation plan. The Division is Requesting that each permittee review and update the legal, financial, compliance and related information in the plan as part of the annual report. Please provide the Department of Commerce, Annual Report of Officers, or other equivalent information as necessary to ensure that the information provided in the plan is current. Provide any other change as necessary regarding land ownership, lease acquisitions, legal results from appeals of violations, or other changes as necessary to update information required in the mining and reclamation plan. Include certified financial statements, audits or worksheets, which may be required to meet bonding requirements. Specify whether the information is currently on file with the Division or included as Appendix C to the report.				
Legal / Financial Update	Requ Yes	iired No	Included or DOGM File location Included Vol, Chapter, Page	
Department of Commerce, Annual Report Officers				
Other	<u> </u>			
Officers and Directors			☐ Submitted by V. Miller on 4/30/09. Stand alone Vo "General Chapter 1"	lume

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Operator Comments:				
Inspector: Has the operator complied Inspector Comments:	I with this section? Yes \(\sum \) No \(\subseteq \)			
MAPS				
Division as Appendix D t	aps, current and up-to-date through at least December this report in accordance with the requirements of the 30 CFR 75.1200 as required by MSHA. Mine m	R 645-301-525.240. The map copies shall		
Confidential informa	tion is limited to:			
R645-300-124.310. Information that pertains only to the analysis of the chemical and physical properties of the coal to be mined, except information on components of such coal which are potentially toxic in the environment.				
	information on the nature and location of archeological re ological Resources Protection Act of 1979 (P. L. 96-95, 93			
determined by the Division sufficient to design the pr habitats identified throug	and Wildlife Information; R645-301-322.100, the scope as in consultation with state and federal agencies with respondention and enhancement plan required under R645-301 h agency consultation as requiring special protection unders that will be used during the active mining phase of operations.	ponsibilities for fish and wildlife and will be 333 and R645-301-322.230, other species or er state or federal law; R645-301-333.300,		
The Division will pro disclosure.	vide procedures, including notice and opportunity to be h	eard for persons both seeking and opposing		
Map Number(s)	Map Title/ Description			
Annual subsidence map	Cumulative Subsidence 1982 - 2008			
Mine map	Skyline Mines; Mine 3 Levels 2 & 3 2008			
Other maps		Confidential Yes No		
Projected Mining	Skyline Mines Projected Mining 2009 - 2020			

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Operator Comments:			
Inspector: Has the operator complied with this section? Yes No Inspector Comments: A cumulative subsidence map from 198 comparison of subsidence in conjunction with mining activities the subsidence actually occurred just that it happed between 198 information, but has never set a standard or format that the information	32 to 2008 is included in the 2008 Annual Report. No is shown. The map does not delineate in which year the 32 and 2008. The Division requires subsidence		
A map is included in the 2008 Annual Report that shows the are future projections of mining through 2020.	eas mined in 2008. In addition there is a map that shows		
OTHER INFORMATION			
Please provide any comments of further information to be included as part of the Annual Report. Any other attachments are to be provided as Appendix E to this report. If information is submitted as a group rather then by individual mine, please identify each of the mine's data in the list below.			
Additional attachment to this report? Yes	No 🗌		

Operator Comments:

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Inspector: Has the operator complied with this section? Yes Inspector Comments: No information provided.	No 🗌	

APPENDIX A

Certified Reports

Excess Spoil Piles Refuse Piles Impoundments

As required under R645-301-514

APPENDIX B

Reporting of Technical Data

Including monitoring data, reports, maps, and other information As required under the approved plan or as required by the Division

In accordance with the requirement of R645-310-130 and R645-301-140

APPENDIX C

Legal Financial, Compliance and Related Information

Annual Report of Officers As submitted to the Utah Department of Commerce

Other change in ownership and control information
As required under R645-301-110

APPENDIX D

Mine Maps

As required under R645-302-525-270

APPENDIX E

Other Information

In accordance with the requirements of R645-301 and R645-302